

**Amendments to the Claims:**

1. (Currently amended.) An isolated and substantially purified DNA sequence comprising SEQ ID NO:3, wherein SEQ ID NO:3 ~~containing~~ includes at least one variation selected from the group consisting of:

a T at nucleotide base number 4121 of SEQ ID NO:3;

a C at nucleotide base number 4621 of SEQ ID NO:3;

a T at nucleotide base number 4970 of SEQ ID NO:3;

a C at nucleotide base number 11056 of SEQ ID NO:3; and

a T at nucleotide base number 12145 of SEQ ID NO:3,

or contiguous portions thereof a fragment of SEQ ID NO:3, wherein said fragment includes at least one of said variations.

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Previously presented.) A hybridization probe comprising the DNA sequence of claim 1 and a detectable label.

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Currently amended.) ~~An expression system~~ A host cell comprising a vector, wherein said vector further comprises a DNA sequence that corresponds to SEQ ID NO: 3, ~~wherein said expression system comprises a recombinant host cell transformed or transfected with said DNA sequence.~~

19. (Cancelled)

20. (Currently amended.) The ~~expression system~~ host cell of claim 18, wherein said DNA sequence includes one or more of the variations selected from the group consisting of:

a T at nucleotide base number 4121 of SEQ ID NO:3;

a C at nucleotide base number 4621 of SEQ ID NO:3;

a T at nucleotide base number 4970 of SEQ ID NO:3;

a C at nucleotide base number 11056 of SEQ ID NO:3; and

a T at nucleotide base number 12145 of SEQ ID NO:3,

~~or contiguous portions thereof~~ a fragment of said DNA sequence that includes one or more of said variations.

21. (Cancelled)

22. (Cancelled)

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45. (Cancelled)

46. (Currently amended.) A DNA sequence that is one hundred percent complementary to the DNA sequence of Claim 1.